

Nebraska Department of Natural Resources

6455500 Niobrara River below Box Butte Reservoir Q, WATER YEAR OCT 2012 TO SEP 2013 Daily Mean Values												
Day	Oct-12	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13
1	0.74	0.73	0.70	0.70	0.82	0.79	0.85	0.98	0.92	0.88	78	1.1
2	0.74	0.72	0.69	0.70	0.83	0.79	0.86	0.93	0.86	0.88	71	1.1
3	0.74	0.70	0.69	0.70	0.82	0.81	0.86	0.90	0.85	0.88	22	1.0
4	0.76	0.70	0.69	0.72	0.82	0.79	0.86	0.89	0.86	0.87	1.3	1.0
5	0.82	0.70	0.69	0.73	0.82	0.83	0.87	0.90	0.88	0.87	1.2	1.0
6	0.81	0.70	0.69	0.74	0.82	0.82	0.87	0.88	0.86	0.87	1.2	1.0
7	0.78	0.70	0.71	0.76	0.82	0.81	0.89	0.85	0.88	0.93	1.2	1.1
8	0.75	0.70	0.72	0.76	0.82	0.80	0.91	0.85	0.89	0.94	1.1	1.1
9	0.75	0.71	0.69	0.77	0.82	0.80	0.91	0.85	0.88	0.94	19	19
10	0.75	0.72	0.70	0.77	0.84	0.81	1.0	0.87	0.88	0.88	1.3	27
11	0.75	0.73	0.72	0.76	0.85	0.82	0.97	0.87	0.88	1.5	1.2	9.6
12	0.75	0.73	0.72	0.75	0.85	0.80	0.98	0.86	0.85	42	1.2	1.1
13	0.76	0.74	0.72	0.76	0.85	0.80	1.0	0.88	0.86	86	1.1	1.1
14	0.80	0.74	0.72	0.76	0.83	0.80	1.1	0.86	0.85	85	1.2	1.1
15	0.88	0.74	0.72	0.75	0.82	0.81	1.0	0.86	0.90	92	40	1.1
16	0.80	0.74	0.71	0.75	0.82	0.83	0.95	0.89	0.87	113	72	1.1
17	0.76	0.72	0.71	0.77	0.83	0.88	0.95	0.88	0.98	129	77	1.0
18	0.78	0.71	0.72	0.78	0.82	0.97	0.97	0.92	1.0	128	80	1.0
19	0.74	0.71	0.72	0.78	0.82	0.86	1.0	0.96	1.1	124	88	1.0
20	0.72	0.70	0.72	0.78	0.82	0.86	1.0	0.98	0.89	114	100	1.0
21	0.72	0.68	0.72	0.79	0.81	0.87	1.0	0.91	0.88	93	99	1.0
22	0.73	0.68	0.71	0.79	0.81	0.88	1.0	0.90	0.88	93	99	1.1
23	0.72	0.68	0.70	0.80	0.81	0.86	0.95	0.88	0.88	93	99	1.3
24	0.74	0.68	0.70	0.82	0.81	0.90	0.96	0.87	0.86	92	98	1.2
25	0.76	0.69	0.70	0.83	0.81	0.91	0.93	0.85	0.88	91	97	1.1
26	0.76	0.71	0.70	0.83	0.80	0.91	0.91	0.86	0.88	83	97	1.0
27	0.76	0.71	0.70	0.83	0.79	0.88	0.90	0.93	0.88	73	97	1.1
28	0.76	0.71	0.70	0.82	0.79	0.86	0.88	1.1	0.88	73	97	1.1
29	0.75	0.71	0.70	0.82	---	0.82	0.88	1.1	0.88	71	27	1.0
30	0.73	0.71	0.70	0.82	---	0.83	0.94	0.96	0.88	71	1.2	1.0
31	0.73	---	0.70	0.82	---	0.85	---	0.94	---	74	1.1	---
Total	23.54	21.3	21.88	23.96	22.97	26.05	28.15	28.16	26.72	1830.44	1471.3	84.4
Mean	0.76	0.71	0.71	0.77	0.82	0.84	0.94	0.91	0.89	59.0	47.6	2.83
Max	0.88	0.74	0.72	0.83	0.85	0.97	1.1	1.1	1.1	129	100	27
Min	0.72	0.68	0.69	0.70	0.79	0.79	0.85	0.85	0.85	0.87	1.1	1.0
AC-FT	47	42	43	48	46	52	56	56	53	3630	2920	167
CAL YEAR	2012	TOTAL	6612	MEAN	18.1	MAX	158.0	MIN	0.68	AC-FT	13120	
WTR YEAR	2013	TOTAL	3609	MEAN	9.89	MAX	129.0	MIN	0.68	AC-FT	7160	

Legend: 'e' Estimated

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by J A MARBURGER

NIOBRARA RIVER BASIN

NIOBRARA RIVER below Box Butte Reservoir, 06455500

LOCATION--SE1/4 Sec. 28-29-49 W., Dawes County, Lat. 42° 27' 23", Long. 103° 04' 10", on left bank 0.2 mile downstream from Box Butte Reservoir and nine miles north of Hemingford.

DRAINAGE AREA.--Approximately 1,460 square miles.

GAGE.--Continuous stage recorder. Gage datum is 3,950.08 feet above sea level.

PERIOD OF RECORD.--Oct. 1946 - present

REMARKS.--Published by the USGS up to Oct. 1, 1991. Flow completely regulated from Box Butte Reservoir. Records are good, except discharges below 2.0 cfs are fair.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 616 cubic feet per second July 2, 1968, gage height 5.04 feet; minimum daily discharge 0.10 cubic feet per second for many days in 1947 and 1951.

EXTREMES FOR CURRENT YEAR.--Peak discharge 130 cubic feet per second July 16, gage height 4.09 feet; minimum daily discharge .68 cubic feet per second November 21 - 24.